

PREVENTATIVE MAINTENANCE PROCEDURE NM3 SERIAL INTERFACE ASSEMBLY

PREVENTATIVE MAINTENANCE PROCEDURE

NOTE: Use proper ESD control during all removal and installation procedures.

1. Set the System Power switch on the front panel to the STANDBY position and remove AC power from the machine.

CAUTION: Do not plug or unplug any serial interface cables with power applied.

2. Disconnect any cables connected to the serial interface ports on the back of the machine.
3. Remove the two monitor housing back cover retainer screws, and swing open the back cover.
4. Disconnect the power cable from J3 on the serial interface assembly. See Figure 1.
5. Disconnect the ribbon cable from J4 on the serial interface assembly.

6. Remove the ground wire connection from the back cover.

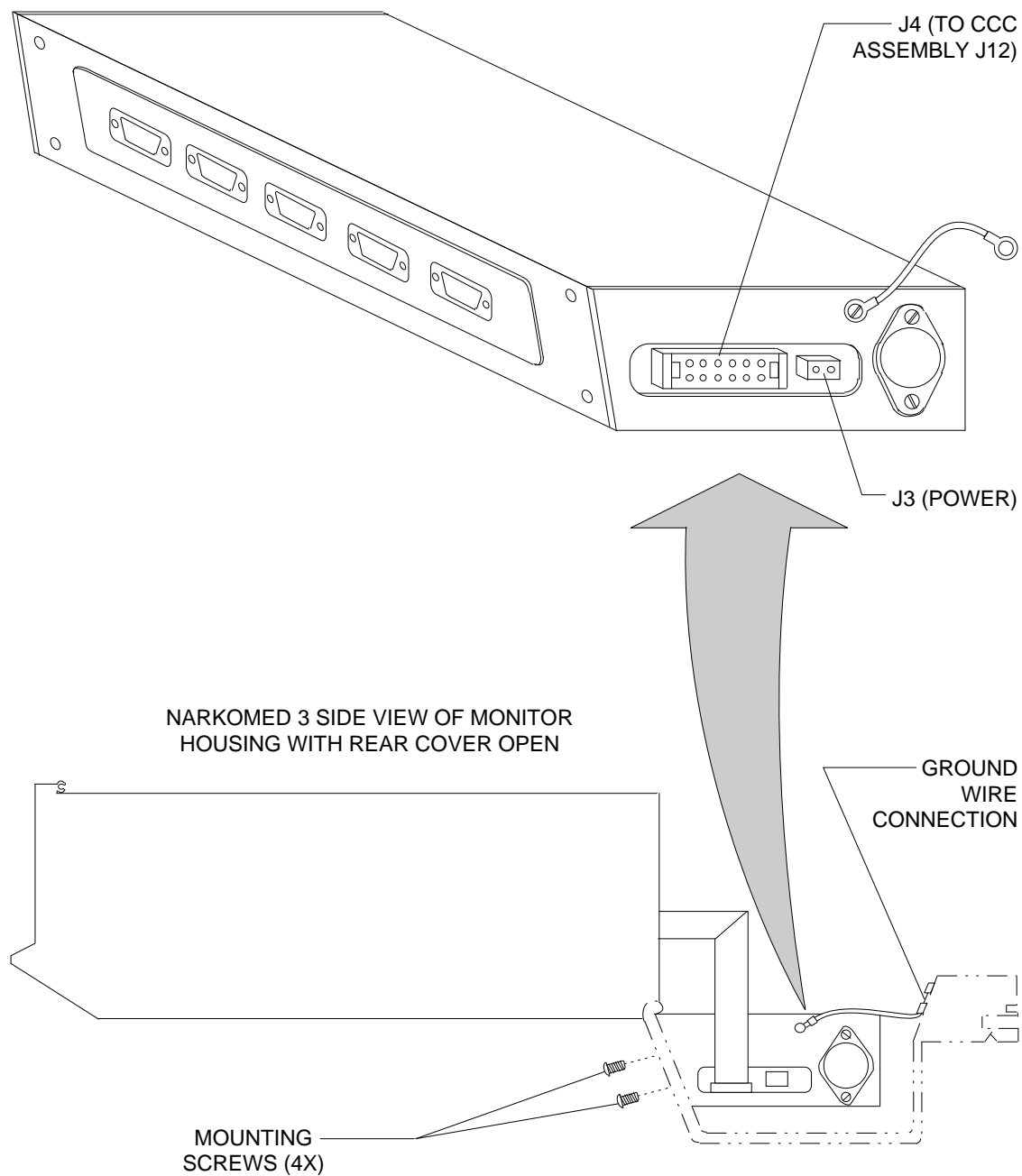
7. Remove the four screws holding the serial interface assembly to the back cover of the monitor housing, and remove the assembly from the machine.

8. Remove the four screws that secure the top cover plate to the serial interface assembly, and remove the cover. See Figure 2.

9. On the top circuit board, examine the date codes on each of the 16 opto-couplers (six-pin ICs U6 thru U21) as shown by the shaded components in Figure 2.

If any of the opto-couplers bear a date code of **9111, 9119, 9124, 9128** or **9132**, Replace the serial interface assembly with one having opto-couplers that do not bear any of these date codes.

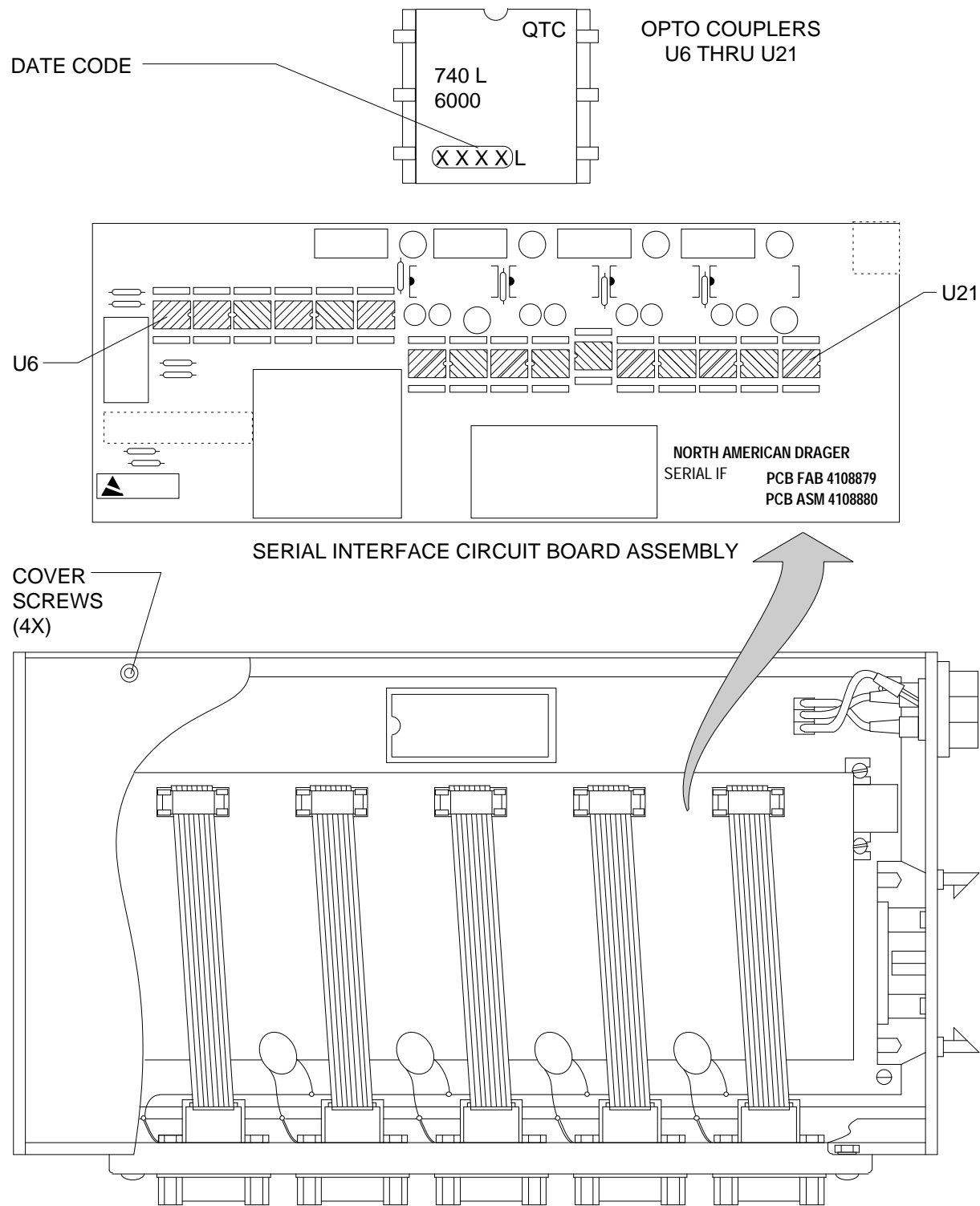
PREVENTATIVE MAINTENANCE PROCEDURE (continued)



SV30020

Figure 1: SERIAL INTERFACE ASSEMBLY MOUNTING AND CONNECTIONS

PREVENTATIVE MAINTENANCE PROCEDURE (continued)



SP80002

Figure 2: OPTO-COUPLER LOCATIONS AND DATE CODE MARKING

PREVENTATIVE MAINTENANCE PROCEDURE (continued)

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| <p>10. Reinstall the cover plate on the serial interface assembly.</p> <p>11. Replace (or reinstall) the serial interface assembly in the back cover of the monitor housing with the four screws that were previously removed.</p> <p>12. Connect the power cable to J3, and the ribbon cable to J4, on the serial interface assembly.</p> <p>13. Connect the ground wire to the back cover.</p> | <p>14. Close the monitor housing back cover and replace the retaining screws. Re-connect any external cables that were previously removed from the serial ports.</p> <p>15. Restore power to the machine and verify its operation. Ensure that the appropriate configuration is set correctly.</p> <p>16. Perform a complete PMS procedure on the machine.</p> |
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